

BILL NO. 2020-

ORDINANCE NO. _____

AN ORDINANCE TO AMEND THE 2018 INTERNATIONAL BUILDING CODE, AS ADOPTED BY THE CITY, TO AMEND SECTION 403.4.7 REGARDING SMOKE REMOVAL SYSTEMS TO PROVIDE FOR LOCALLY-APPROPRIATE ADJUSTMENTS AND EXCEPTIONS, AND TO PROVIDE FOR OTHER RELATED MATTERS.

Sponsored by: Councilwoman Michele Fiore

Summary: Amends the 2018 International Building Code, as adopted by the City, to amend Section 403.4.7 regarding smoke removal systems to provide for locally-appropriate adjustments and exceptions.

THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN AS FOLLOWS:

SECTION 1: The International Building Code, 2018 Edition, which was adopted by Ordinance No. 6633, is hereby amended as set forth in Section 2 of this Ordinance. Deleted material is shown by strikethrough and new material by underlining.

SECTION 2: Section 403.4.7 is amended to read as follows, leaving intact the subsections that follow Section 403.4.7 that were added by the Southern Nevada Amendments to the 2018 International Building Code:

403.4.7 Smoke Removal. To facilitate smoke removal in post-fire salvage and overhaul operations, buildings and structures shall be equipped with natural or mechanical ventilation for removal of products of combustion in accordance with ~~one of the following:~~

~~1. Easily identifiable, manually operable windows or panels shall be distributed around the perimeter of each floor at not more than 50 foot (15 240 mm) intervals. The area of operable windows or panels shall be not less than 40 square feet (3.7 m²) per 50 linear feet (15 240 mm) of perimeter.~~

~~Exceptions:~~

~~1. In Group R-1 occupancies, each sleeping unit or suite having an exterior wall shall be permitted to be provided with 2 square feet (0.19 m²) of venting area in lieu of the area specified in Item 1.~~

1 ~~2. Windows shall be permitted to be fixed provided that glazing can be cleared by fire~~
2 ~~fighters.~~

3 ~~2. Mechanical air handling equipment providing one exhaust air change every 15 minutes for the~~
4 ~~area involved. Return and exhaust air shall be moved directly to the outside without recirculation to~~
5 ~~other portions of the building.~~

6 ~~3. Any other approved design that will produce equivalent results.~~

7 one of the items listed in Paragraphs 1 through 4 that follow the 3 Exceptions just below:

8 **Exceptions:**

9 1. Smoke removal is not required for building renovations where HVAC systems are not being
10 modified.

11 2. Smoke removal systems are not required for remodels and alterations within existing buildings
12 where the area being remodeled or altered is provided with a smoke control approach consistent with
13 the smoke control requirements of the existing building.

14 3. Where permitted by the fire code official, smoke removal systems are not required for minor
15 additions to existing buildings that are not already provided with smoke removal systems.

16 1. Easily identifiable, manually operable windows or panels shall be distributed around the perimeter of each
17 floor at not more than 50-foot (15 240 mm) intervals. The area of operable windows or panels shall not be
18 less than 40 square feet (3.7 m2) per 50 linear feet (15 240 mm) of perimeter.

19 **Exceptions:**

20 1. In Group R-1 occupancies, each sleeping unit or suite having an exterior wall shall be permitted
21 to be provided with 2 square feet (0.19 m2) of venting area in lieu of the area specified in Item 1.

22 2. Where permitted by the fire code official, windows of tempered glass shall be permitted to be
23 fixed provided no coating or film is applied and that glazing can be cleared by firefighters.

24 3. Manually operable windows or panels are not required in Group R-1 and R-2 residential units
25 provided the residential units comply with the passive requirements of Section 909 and all corridors
26 between the residential units and the exit enclosures serving the residential units comply with Section

1 403.4.7, Item 3.

2 2. Mechanical air-handling equipment providing one exhaust air change every 15 minutes for the area
3 involved. Return and exhaust air shall be moved directly to the outside without recirculation to other portions
4 of the building. The air volume shall be calculated based upon the volume of the space between the floor
5 and the floor or roof structure above. The exhaust air quantity shall be as measured at the exhaust fan.

6 **Exception:** Smoke removal is not required for normally unoccupied areas such as mechanical
7 equipment rooms, electrical rooms, storage rooms that do not exceed 500 square feet in area, elevator
8 equipment rooms, or similar areas as approved by the building official.

9 3. A smoke control system that provides a minimum of one exhaust air change every 15 minutes is provided
10 for the area involved upon manual activation of the smoke removal feature at the smoke control graphics
11 panel. The volume of air shall be calculated based upon the volume of the space between the floor and the
12 floor or roof structure above. The exhaust air quantity shall be as measured at the exhaust fan.

13 4. Any other approved design that will produce equivalent results where permitted by the Authority Having
14 Jurisdiction.

15 SECTION 3: If any section, subsection, subdivision, paragraph, sentence, clause or phrase
16 in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or ineffective by
17 any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the
18 remaining portions of this ordinance or any part thereof. The City Council of the City of Las Vegas hereby
19 declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase
20 thereof irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs,
21 sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

22 SECTION 4: Whenever in this ordinance any act is prohibited or is made or declared to
23 be unlawful or an offense or a misdemeanor, or whenever in this ordinance the doing of any act is required
24 or the failure to do any act is made or declared to be unlawful or an offense or a misdemeanor, the doing of
25 such prohibited act or the failure to do any such required act shall constitute a misdemeanor and upon
26 conviction thereof, shall be punished by a fine of not more than \$1,000.00 or by imprisonment for a term of

1 not more than six months, or by any combination of such fine and imprisonment. Any day of any violation
2 of this ordinance shall constitute a separate offense.

3 SECTION 5: All ordinances or parts of ordinances or sections, subsections, phrases,
4 sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, Nevada, 1983
5 Edition, in conflict herewith are hereby repealed.

6 PASSED, ADOPTED and APPROVED this ____ day of _____, 2020.

7 APPROVED:

8
9 By _____
CAROLYN G. GOODMAN, Mayor

10 ATTEST:

11 _____
12 LUANN D. HOLMES, MMC
City Clerk

13 APPROVED AS TO FORM:

14 _____
15 Val Steed, Date
Deputy City Attorney

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1 The above and foregoing ordinance was first proposed and read by title to the City Council on the ____ day
2 of _____, 2020, and referred to a committee for recommendation, the committee being
3 composed of the following members _____;
4 thereafter the said committee reported favorably on said ordinance on the ____ day of
5 _____, 2020, which was a _____ meeting of said Council; that at said
6 _____ meeting, the proposed ordinance was read by title to the City Council as first
7 introduced and adopted by the following vote:

8 VOTING "AYE": _____

9 VOTING "NAY": _____

10 ABSENT: _____

11 APPROVED:

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13 By _____
CAROLYN G. GOODMAN, Mayor

14 ATTEST:

15 _____
16 LUANN D. HOLMES, MMC
City Clerk

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